

**Agency: Commerce, Community and Economic Development****Grants to Named Recipients (AS 37.05.316)****Grant Recipient: Douglas Island Pink and Chum, Inc.****Federal Tax ID: 92-0060815****Project Title:****Project Type: Maintenance and Repairs**

# Douglas Island Pink and Chum, Inc. - Snettisham Hatchery Maintenance and Upgrade

**State Funding Requested: \$1,250,000****House District: Southeast Region (1-5)**

One-Time Need

**Brief Project Description:**

Snettisham Hatchery is a State-owned hatchery built in 1979. This project will fund the replacement of the roof on the main hatchery building.

**Funding Plan:**

Total Project Cost: \$1,925,000

Funding Already Secured: (\$675,000)

FY2012 State Funding Request: (\$1,250,000)

Project Deficit: \$0

*Funding Details:*

*DIPAC will provide the administrative costs associated with this project. Dollar value estimated at 10% of total project cost. \$500,000 was appropriated for this project in the FY11 State of Alaska capital budget.*

**Detailed Project Description and Justification:**

Settisham Hatchery is located approximately 35 miles southeast of Juneau at the AEL&P Settisham hydroelectric facility. This project will provide for the replacement of the roof on the main hatchery building.

This roof replacement and upgrade will extend the life of the hatchery facility.

**Project Timeline:**

Roof replacement will occur during the 2011 summer construction months.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

Douglas Island Pink and Chum, Inc.

**Grant Recipient Contact Information:**

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 Title: Executive Director  
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 Juneau, Alaska 99801  
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## Total Project Snapshot Report

2011 Legislature

TPS Report 54971v2

Has this project been through a public review process at the local level and is it a community priority? ☐ Yes ☒ No



**Douglas Island Pink and Chum, Inc.**

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## **Snettisham Hatchery Roof Replacement**

The highest priority deferred maintenance project at the Snettisham Hatchery is replacement of the roof on the main hatchery building. At thirty years old, the structure has reached its effective design life, is deteriorating and has required significant maintenance the past several years.

The following is a history of the existing Snettisham Hatchery roof and a brief description of the design concept for the proposed new roof:

1. **Existing Roof:** The hatchery building was constructed in 1979 and 1980. Its roof is approximately 250 feet long by 58 feet wide. The roof structure consists of wood trusses supporting a near flat aluminum roof at a slope of 1/4" per foot from the south to north over the building's width. The roof was designed for a live load capacity of 164 pounds per square foot. That loading has been approached several times, most recently during high snowfall years of 2008 and 2009.

The roof was designed to hold snow rather than shed it because of the lack of adequate areas to accept sliding snow. As a cost-saving measure in its original construction, the hatchery was designed to use its raceways as a building foundation. When used for Chinook and chum production, all 24 raceways were designed to flow full for most of each winter. Because of the high snowfall at Snettisham, there were major design concerns that sliding snow to the north side of the building would create personal safety issues, and sliding snow into the raceways would have serious affects on fish health.

The roof was intended to be a "cold" roof, with continuous ventilation along each overhanging soffit. The ventilation has been impaired by several changes made to the hatchery over the course of its history, including the installation of chlorination room for effluent disinfection and the installation of a wall along to north side to provide weather

protection for winter work on exterior incubation and start tanks after the facility's conversion to sockeye production.

As a result of 30 years of operation in an area of extremely high precipitation and snowfall, the roof has reached the end of its effective design life.

2. Current Conditions: The roof at the Snettisham hatchery is deteriorating and has required significant maintenance in the past several years. There is evidence of decay in the wood structure and snow loads have approached the roof's design capacity in the past several years, requiring removal in late winter or early spring.
3. Proposed Roof Replacement: Because of the change to sockeye production in the 1990's, not all of the original raceways are used. Every other raceway has been covered and the uncovered raceways are kept flowing at a low rate throughout the winter to remove snow that slides off the raceway roofs. It is proposed that the hatchery building roof be re-designed to slope to the south or raceway side of the building. This will keep the north side clear for personnel to access the facility and present minimal problems on raceways.

DIPAC has been working with a local engineering firm and large building contractor to refine design concepts and project costs. Total project cost is estimated to be \$1.75 million, of which \$500,000 has already been granted in the FY11 State of Alaska capital budget. **The FY12 request is for \$1.25 million to completely fund the project.**

If there are any questions about this proposal I would be more than happy to answer them.

Respectfully,



Eric Prestegard, Executive Director  
Douglas Island Pink & Chum, Inc.





PRELIMINARY

NEW TROSS  
FULL SPAN

REMOVE EXISTING  
ALUM ROOFING &  
RE-INSTALL ON NEW  
FRAMING IF FEASIBLE

EXTEND BEARING  
WALL BETWEEN  
EXISTING TRUSSES

NEW METAL  
ROOFING

EXTEND BEARING  
WALL  
BETWEEN  
EXISTING  
TRUSSES

CONTINUOUS  
VENT

2' x 8" JOIST  
2" x 10" JOIST  
EVERY OTHER  
RAILWAY  
10' ±

CONTINUOUS  
LIGHT-GAGE  
MET FRAMED  
WALLS (OPEN,  
NO SHEATHING)

ALUMINUM ROOFING OVER  
BITUMINOUS PAINTED PLYWOOD  
SHEATHING

BATT INSULATION  
VAPOR BARRIER

CRANE RAIL OVER  
FRY TANKS  
LINE OF SECTION IS  
OFFSET AT BUDG. &

INCUBATORS  
NIG. (419)

INCUBATOR  
HEADBOX  
FRY TRANSFER  
CHANNEL

INCUBATOR DRAINAGE  
CHANNEL  
FRY TANK  
LOCATION

FEEDER CRANE RAIL  
BATT INSULATION  
STAIRS BEYOND

STAIRS  
BEYOND

HOLLOW PRE CAST  
CONCRETE SLABS  
CAST-IN-PLACE  
CONCRETE

TRUSSWAY WALL BEYOND  
STUCCO ON RISER FEEDER LOCATION  
INSUL.

FOOD DIST. PIPE

WALKWAY

TYPICAL HIGH WALLS

SCREEN GUIDE SEE  
DWG. DWG2

SCREEN GUIDE

INLET

BUDGET SECTION  
2-20-08



# UNITED FISHERMEN OF ALASKA

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## Resolution 2010-1

### A RESOLUTION OF THE UNITED FISHERMEN OF ALASKA SUPPORT FUNDING THE DEFERRED MAINTENANCE PROJECTS AT THE STATE-OWNED SALMON HATCHERIES

WHEREAS, the Alaska Department of Fish and Game Division of Fisheries Rehabilitation, Enhancement, and Development was formed in the 1970's to develop policies, regulations, and hatchery practices to responsibly rebuild and utilize Alaska's renewable and sustainable salmon natural resources; and

WHEREAS, the State of Alaska currently owns 11 salmon enhancement hatcheries operated by regional and non-regional private non-profit aquaculture associations via professional services agreements at no cost to the state; and

WHEREAS, these state-owned salmon hatcheries are 30 to 40 years old and are need of significant deferred maintenance to address basic infrastructure problems beyond the normal annual maintenance provided by the private non-profit aquaculture associations at no cost to the state; and


WHEREAS, these diverse salmon enhancement programs contribute significantly to the Alaska common property fisheries (commercial, sport, subsistence, and personal use) in many areas of the state and are helping to sustain the Alaska salmon fisheries and domestic and international Alaska salmon markets; and


WHEREAS, salmon produced by the Alaska salmon enhancement program have fetched hundreds of millions of dollars in ex-vessel value and billions of dollars in total economic output; and

WHEREAS, the economic impact from the Alaska salmon enhancement program is significant and vital to the Alaska salmon industry in creating jobs and wealth within the rural and urban communities that would not otherwise be present;

THEREFORE BE IT RESOLVED, that the United Fishermen of Alaska support funding for the deferred maintenance projects at the state-owned salmon hatcheries throughout Alaska.

By UFA Board of Directors, September 29, 2010:

  
Arni Thomson, UFA President

  
Attest: Mark D. Vinsel, UFA Executive Director